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Abstract

To provide a higher data rate service on one link, it is possible to use more than one scrambling code per link. In this way, the same channelisation code can be reused and a higher data rate can be supported because the highest data rate is restricted by the set of channelisation codes with the shortest length. When reusing one and the same channelisation code for spreading the two different data streams transmitted in one link and scrambling these two data streams by two different scrambling codes, the complexity of the receiver will be reduced. Therefore, the two data streams are spread with one and the same channelisation code. After this, each of these data streams is scrambled with a different scrambling code.

(Fig. 7)